

- **Delete the second full paragraph beginning at page 7, line 21 and ending at page 8, line 2 and substitute the following paragraph:** (The changes are shown explicitly in the attached "Version With Markings to Show Changes Made.")

A7 During the process of operating the patient data information system (10) the second application (32) is, for example, an RIS application, such as, a case sign out application, a report entry application, an order detailing application, an order viewer application, etc. Such applications are invoked by activating a command such as by "clicking" on an icon displayed in a graphic user interface on the monitor (54) (shown in Figure 1) of the display unit (50) of the workstation (52) as determined by the user of the patient data information system (10). The procedure can also be invoked by the user utilizing an input unit (56), for example, a mouse, a voice recognition system, a keyboard stroke, a switch, and a light pen, etc.

- **Delete the first full paragraph at page 8, lines 3-16 and substitute the following paragraph:** (The changes are shown explicitly in the attached "Version With Markings to Show Changes Made.")

A8 Upon logging onto the workstation (52) or at another time during operation of system (10), a patient context (12) is created. The patient context (12) includes the patient identification data such as name, address, age, social security number, etc., associated with a specific and particular patient (P). The patient context can also include user identification data such as the name, password, etc., of the user of the patient data information system (10). In addition, the patient data includes patient examination information such as ordered tests, test results, test analysis, prognosis, diagnostic information relating, etc., to that specific and particular patient (P). The first application (30) shares the patient context (12) with the second application (32). In the preferred embodiment, the first application (30) is in communication with the PACS data base (6) and the second application (32) is in communication with the RIS data base (8), which databases (6, 8) are interconnected to the PACS broker (9).

#### In the Claims:

Please amend claims 1, 14, and 23-31 as follows. The changes are shown explicitly in the attached "Version with Markings to Show Changes Made." For convenience, all remaining pending claims are also reproduced below.

A9  
Amended

1 (Once Amended) A patient data information system, comprising:  
2 a display unit;  
3 a first application configured to display patient images for a patient on  
4 the display unit and generate a patient context for the patient;  
5 a second application; and  
6 a workstation coupled to the display unit and configured to operate the  
7 first application and the second application, the first application configured to provide  
8 the patient context to the second application and the second application configured to  
9 display patient data based on the patient context.

1 2. The patient data information system of claim 1, wherein the first  
2 application is configured to retrieve patient image data from a picture archival and  
3 communication system (PACS).

1 3. The patient data information system of claim 2, wherein the second  
2 application is configured to retrieve patient textual data from a radiology information  
3 system (RIS), wherein the patient data includes the patient textual data.

1 4. The patient data information system of claim 1, wherein the display  
2 unit includes a monitor having a resolution of at least 90 dpi.

1 5. The patient data information system of claim 1, wherein the second  
2 application is selected from the group consisting of a case signout application, a report  
3 entry application, an order detailing application, and an order viewer application.

1 6. The patient data information system of claim 1, further comprising a  
2 second workstation coupled to the workstation, the second workstation configured to  
3 operate the second application.

1 7. The patient data information system of claim 1, wherein the second  
2 application is coupled to the first application via an object request broker.

1 8. The patient data information system of claim 7, further comprising a  
2 bridge coupled between the second application and the object request broker, wherein  
3 the second application communicates via the component object model (COM).

1           9.     The patient data information system of claim 1, further comprising an  
2 input unit, the first application generating the patient context in response to user input  
3 at the input unit.

1           10.    The patient data information system of claim 9, wherein the input unit  
2 is selected from the group consisting of a mouse, a voice recognition system, a  
3 keystroke, a switch, and a light pen.

1           11.    The patient data information system of claim 1, wherein the patient  
2 context includes patient identification data.

1           12.    The patient data information system of claim 11, wherein the patient  
2 context includes user identification data.

1           13.    The patient data information system of claim 1, wherein the patient  
2 data includes patient examination information.

A10  
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1           14.    (Once Amended) A method of integrating patient data from first and  
2 second applications operating on a workstation, comprising:  
3                   displaying a first set of patient data using the first application on the  
4 workstation;  
5                   generating a patient context for a patient;  
6                   providing the patient context from the first application to the second  
7 application;  
8                   receiving a second set of patient data based on the patient context; and  
9                   displaying the second set of patient data using the second application  
10 on the workstation.

1           15.    The method of claim 14, further comprising retrieving the first set of  
2 patient data from an image database.

          16.    The method of claim 15, further comprising retrieving the second set of  
patient data from a radiology information system.

1           17.     The method of claim 14, wherein the patient context includes patient  
2     identification data.

1           18.     The method of claim 14, wherein the step of providing includes  
2     generating an event based on the patient context and providing the event to the second  
3     application.

1           19.     The method of claim 18, further comprising converting the event from  
2     a first object model to a second object model and providing the converted event to the  
3     second application.

1           20.     The method of claim 14, wherein the second application is selected  
2     from the group consisting of a case signout application, a report entry application, an  
3     order detailing application, and an order viewer application.

1           21.     The method of claim 14, further comprising receiving an operator input  
2     from an input unit and generating the patient context for the patient in response to the  
3     operator input.

1           22.     The method of claim 14, wherein the second set of patient data  
2     includes patient examination information.

11           23.     (Once Amended) An apparatus for integrating patient data from first  
2     and second applications operating on a workstation, comprising:  
3                 a means for displaying a first set of patient data using the first  
4     application on the workstation;  
5                 a means for generating a patient context for a patient;  
6                 a means for providing the patient context from the first application to  
7     the second application;  
8                 a means for receiving a second set of patient data based on the patient  
9     context; and  
10                a means for displaying the second set of patient data using the second  
11    application on the workstation.